

Name: _____

Date: _____

Period: _____

20

Slope-Intercept Form Quiz

What is the slope-intercept formula? (3 points)

$$y = mx + b$$

m stands for slope and b stands for y-intercept.

Write an equation given the slope and y-intercept. (2 points each)

m = 4 and a y-intercept of -5

$$y = 4x - 5$$

slope of $\frac{1}{2}$ and a y-intercept of 7

$$y = \frac{1}{2}x + 7$$

Determine if each point is on the given line. (2 points each)

$$y = 2x + 2$$

(1, 3)

$$3 = 2(1) + 2$$

$$3 = 2 + 2$$

$$3 \neq 4$$

NO

(2, 6)

$$6 = 2(2) + 2$$

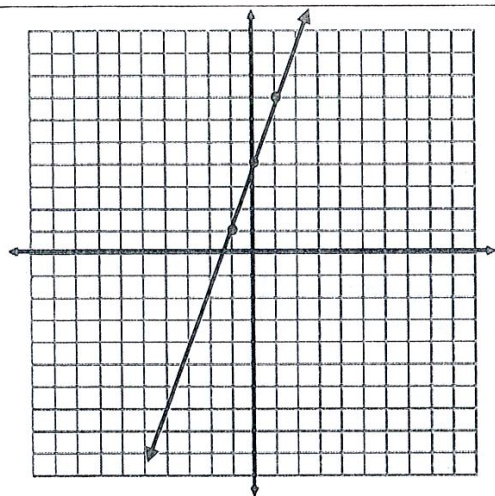
$$6 = 4 + 2$$

$$6 = 6$$

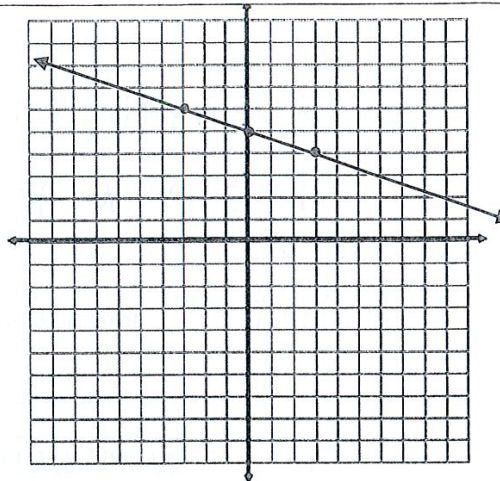
yes

Are you going to Echo Hill? (1 point)

Write the equation for the graph. (1 point each)



Equation: $y = 3x + 4$

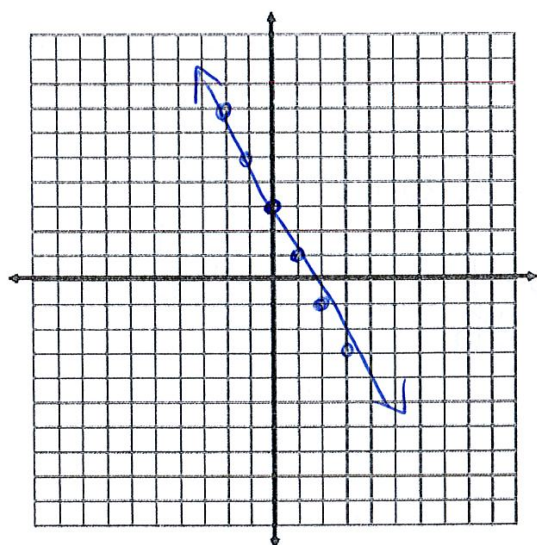


Equation: $y = -\frac{1}{3}x + 5$

Graph the function with at least three points. (3 points each)

$y = -2x + 3$

Slope: -2 y-int: 3



$y = \frac{1}{3}x - 1$

Slope: $\frac{1}{3}$ y-int: -1

